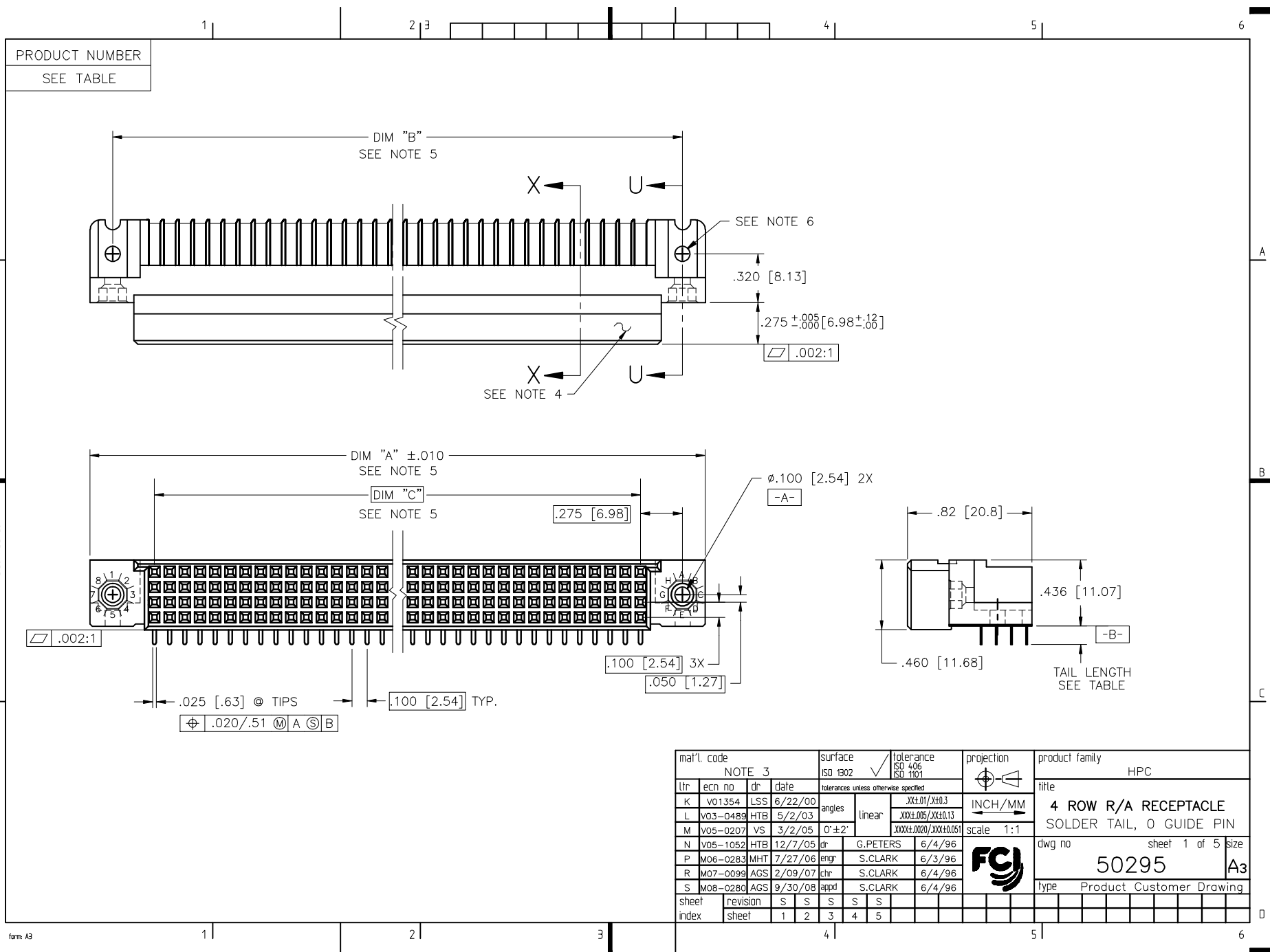




PRODUCT NUMBER
SEE TABLE

NOTES:

- ① PRODUCT NUMBERING CODE:
50295 - X YYY Z S LF

LEAD FREE (OPTIONAL)
SPECIAL FEATURES (NOTE 6)
TAIL LENGTH (SEE TABLE)
NO. OF POSITIONS (NOTE 2)
PLATING (SEE TABLE)
BASE NUMBER

- ② THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 80
COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9.....79,80.

- ③ HOUSING MATERIAL: GLASS & MINERAL FILLED HIGH-TEMP THERMOPLASTIC,
FLAME RETARDANT PER UL94 V-0.
CONTACT MATERIAL: BeCu

- ④ MANUFACTURE'S NAME, PART NUMBER AND LOT CODE TO
APPEAR ON THIS SURFACE PER BUS-12-108.

- ⑤ LENGTH DIMENSION FORMULAS:
DIM "A" = $.100/2.54 \times \text{NO. OF COLUMNS} + .75/19.1$
DIM "B" = $.100/2.54 \times \text{NO. OF COLUMNS} + .450/11.43$
DIM "C" = $.100/2.54 \times \text{NO. OF COLUMNS} - .100/2.54$

- ⑥ SPECIAL FEATURES (SEE SHEET 3) AND TABLE.

- = IF CODE IS OMITTED FROM PRODUCT NUMBER: CONNECTOR
IS PROVIDED AS SHOWN, NO SPECIAL FEATURES ARE
SELECTED. FOR P.C.B. ATTACHEMENT IN A $\phi.120[3.05]$ MOUNTING HOLE.

"A" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT
IN A $\phi.100[2.54]$ MOUNTING HOLE. AVAILABLE IN "E" TAIL LENGTH ONLY.

"B" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT
IN A $\phi.120[3.05]$ MOUNTING HOLE.

"C" = IF SPECIFIED, MOLDED GUIDE PINS WITH PRE-INSTALLED CLAW
FOR P.C.B. ATTACHMENT IN A $\phi.120[3.05]$ MOUNTING HOLE.

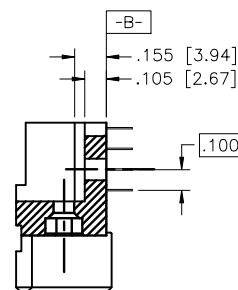
"D" = IF SPECIFIED, MOLDED GUIDE PINS WITH $\phi.100[2.54]$ MOUNTING HOLE
(NO CLAW).

- ⑦ CLAW DIMENSION DETERMINED BY P.C.B. HOLE DIAMETER.

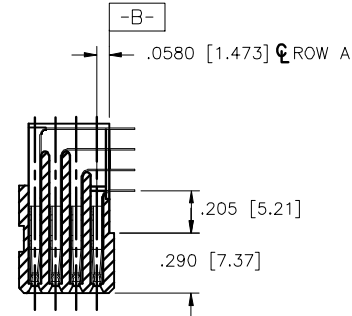
8. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION
DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN
GS-22-008.

9. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260 DEGREES C
PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION,
INFRA-RED OR VAPOR PHASE REFLOW OVEN.

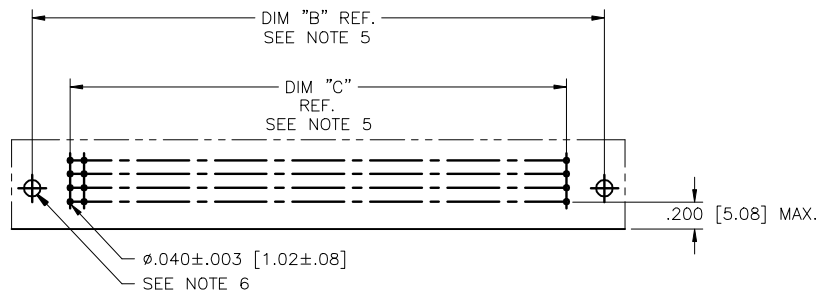
- ⑩ PLATING OPTION:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.



SECTION U-U
NO SPECIAL FEATURE



SECTION X-X



RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON .100 [2.54] GRID
UNLESS OTHERWISE SPECIFIED)

mat'l. code NOTE 3				surface ISO 1902 ✓	tolerance ISO 406 ISO 1101	projection ISO 1002	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title
S				angles	linear		4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
						scale 1:1	dwg no
				dr	G.PETERS	6/4/96	sheet 2 of 5
				engr	S.CLARK	6/3/96	size
				chr	S.CLARK	6/4/96	A3
				appd	S.CLARK	6/4/96	type
sheet	revision						Product Customer Drawing
index	sheet						

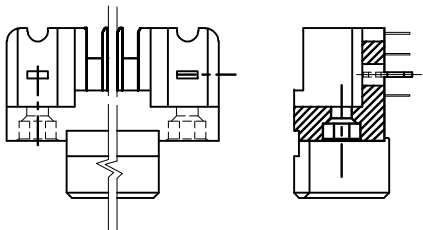


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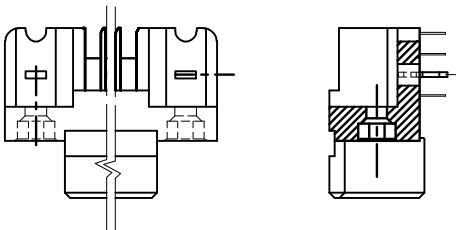
PRODUCT NUMBER
SEE TABLE

SPECIAL FEATURE OPTION A

SPECIAL FEATURE OPTION B



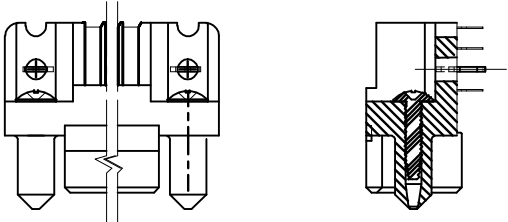
SECTION U-U



SECTION U-U

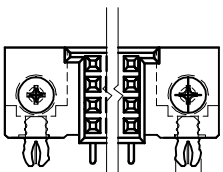
SPECIAL FEATURE OPTION C

SPECIAL FEATURE OPTION D

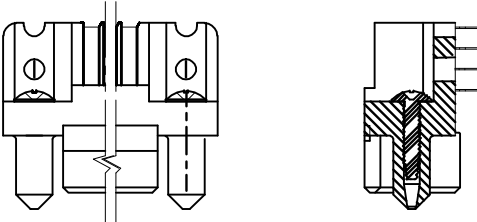


SECTION U-U

SELF TAPPING
SCREW (2x)

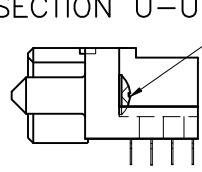


NOTE 7



SECTION U-U

SELF TAPPING
SCREW (2x)



mat'l. code				surface		tolerance		projection		product family			
NOTE 3				ISO 1902		ISO 406 ISO 1101				HPC			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title			
S				angles		linear		INCH/MM					
						.XXX±.01/XXX±0.3				4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN			
						.XXX±.005/XXX±0.13							
				0°±2°		.XXXX±.0020/XXX±0.051		scale 1:1		dwg no			
				dr	G.PETERS	6/4/96							
				engr	S.CLARK	6/3/96				50295			
				chr	S.CLARK	6/4/96							
				appd	S.CLARK	6/4/96				type Product Customer Drawing			
sheet index	revision sheet												

PRODUCT NUMBER NOTE 1 AND 2	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH ±.010/0.25	SPECIAL FEATURES SEE NOTE 6	TAIL PLATING	CONTACT PLATING SEE NOTE 10	PRODUCT NUMBER NOTE 1 AND 2	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH ±.010/0.25	SPECIAL FEATURES SEE NOTE 6	TAIL PLATING	CONTACT PLATING SEE NOTE 10
50295-1YYYE	YYY	.125/3.18	NONE	TIN-LEAD	30μ"/0.76μ Au	50295-1YYYELF	YYY	.125/3.18	NONE	TIN	30μ"/0.76μ Au
50295-1YYYEA	YYY	.125/3.18	"A"		30μ"/0.76μ Au	50295-1YYYEALF	YYY	.125/3.18	"A"		30μ"/0.76μ Au
50295-1YYYEB	YYY	.125/3.18	"B"		30μ"/0.76μ Au	50295-1YYYEBLF	YYY	.125/3.18	"B"		30μ"/0.76μ Au
50295-1YYYEC	YYY	.125/3.18	"C"		30μ"/0.76μ Au	50295-1YYYECLF	YYY	.125/3.18	"C"		30μ"/0.76μ Au
50295-1YYYED	YYY	.125/3.18	"D"		30μ"/0.76μ Au	50295-1YYYEDLF	YYY	.125/3.18	"D"		30μ"/0.76μ Au
50295-1YYYF	YYY	.145/3.68	NONE		30μ"/0.76μ Au	50295-1YYYFLF	YYY	.145/3.68	NONE		30μ"/0.76μ Au
50295-1YYYFB	YYY	.145/3.68	"B"		30μ"/0.76μ Au	50295-1YYYFBLF	YYY	.145/3.68	"B"		30μ"/0.76μ Au
50295-1YYYFC	YYY	.145/3.68	"C"		30μ"/0.76μ Au	50295-1YYYFCLF	YYY	.145/3.68	"C"		30μ"/0.76μ Au
50295-1YYYFD	YYY	.145/3.68	"D"		30μ"/0.76μ Au	50295-1YYYFDLF	YYY	.145/3.68	"D"		30μ"/0.76μ Au
50295-1YYYH	YYY	.180/4.57	NONE		30μ"/0.76μ Au	50295-1YYYHLF	YYY	.180/4.57	NONE		30μ"/0.76μ Au
50295-1YYYHB	YYY	.180/4.57	"B"		30μ"/0.76μ Au	50295-1YYYHBLF	YYY	.180/4.57	"B"		30μ"/0.76μ Au
50295-1YYYHC	YYY	.180/4.57	"C"		30μ"/0.76μ Au	50295-1YYYHCLF	YYY	.180/4.57	"C"		30μ"/0.76μ Au
50295-1YYYHD	YYY	.180/4.57	"D"		30μ"/0.76μ Au	50295-1YYYHDLF	YYY	.180/4.57	"D"		30μ"/0.76μ Au
50295-3YYYE	YYY	.125/3.18	NONE		50μ"/1.27μ Au	50295-3YYYELF	YYY	.125/3.18	NONE		50μ"/1.27μ Au
50295-3YYYEA	YYY	.125/3.18	"A"		50μ"/1.27μ Au	50295-3YYYEALF	YYY	.125/3.18	"A"		50μ"/1.27μ Au
50295-3YYYEB	YYY	.125/3.18	"B"		50μ"/1.27μ Au	50295-3YYYEBLF	YYY	.125/3.18	"B"		50μ"/1.27μ Au
50295-3YYYEC	YYY	.125/3.18	"C"		50μ"/1.27μ Au	50295-3YYYECLF	YYY	.125/3.18	"C"		50μ"/1.27μ Au
50295-3YYYED	YYY	.125/3.18	"D"		50μ"/1.27μ Au	50295-3YYYEDLF	YYY	.125/3.18	"D"		50μ"/1.27μ Au
50295-3YYYF	YYY	.145/3.68	NONE		50μ"/1.27μ Au	50295-3YYYFLF	YYY	.145/3.68	NONE		50μ"/1.27μ Au
50295-3YYYFB	YYY	.145/3.68	"B"		50μ"/1.27μ Au	50295-3YYYFBLF	YYY	.145/3.68	"B"		50μ"/1.27μ Au
50295-3YYYFC	YYY	.145/3.68	"C"		50μ"/1.27μ Au	50295-3YYYFCLF	YYY	.145/3.68	"C"		50μ"/1.27μ Au
50295-3YYYFD	YYY	.145/3.68	"D"		50μ"/1.27μ Au	50295-3YYYFDLF	YYY	.145/3.68	"D"		50μ"/1.27μ Au
50295-3YYYH	YYY	.180/4.57	NONE		50μ"/1.27μ Au	50295-3YYYHLF	YYY	.180/4.57	NONE		50μ"/1.27μ Au
50295-3YYYHB	YYY	.180/4.57	"B"		50μ"/1.27μ Au	50295-3YYYHBLF	YYY	.180/4.57	"B"		50μ"/1.27μ Au
50295-3YYYHC	YYY	.180/4.57	"C"		50μ"/1.27μ Au	50295-3YYYHCLF	YYY	.180/4.57	"C"		50μ"/1.27μ Au
50295-3YYYHD	YYY	.180/4.57	"D"	TIN-LEAD	50μ"/1.27μ Au	50295-3YYYHDLF	YYY	.180/4.57	"D"	TIN	50μ"/1.27μ Au

TABLE CONTINUED ON SHEET 5

mat'l. code NOTE 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 1:1	title 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
S				angles	linear		
					XXX.01/XX0.3		
					XXX±.005/XX±0.13		
				0'±2'	XXXX±.0020/XXXX±0.051		
				dr	G.PETERS 6/4/96		sheet 4 of 5 size 50295 A3
				engr	S.CLARK 6/3/96		type Product Customer Drawing
				chr	S.CLARK 6/4/96		
				appd	S.CLARK 6/4/96		
sheet index	revision	sheet					

PRODUCT NUMBER NOTE 1 AND 2	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH ±.010/0.25	SPECIAL FEATURES SEE NOTE 6	TAIL PLATING	CONTACT PLATING SEE NOTE 10
50295-5YYYE	YYY	.125/3.18	NONE	TIN/LEAD	30μ"/0.76μ GXT
50295-5YYYELF	YYY	.125/3.18	NONE	TIN	
50295-5YYYEA	YYY	.125/3.18	"A"	TIN/LEAD	
50295-5YYYEALF	YYY	.125/3.18	"A"	TIN	
50295-5YYYEB	YYY	.125/3.18	"B"	TIN/LEAD	
50295-5YYYEBLF	YYY	.125/3.18	"B"	TIN	
50295-5YYYEC	YYY	.125/3.18	"C"	TIN/LEAD	
50295-5YYYECLF	YYY	.125/3.18	"C"	TIN	
50295-5YYYED	YYY	.125/3.18	"D"	TIN/LEAD	
50295-5YYYEDLF	YYY	.125/3.18	"D"	TIN	
50295-5YYYF	YYY	.145/3.68	NONE	TIN/LEAD	
50295-5YYYFLF	YYY	.145/3.68	NONE	TIN	
50295-5YYYFB	YYY	.145/3.68	"B"	TIN/LEAD	
50295-5YYYFBLF	YYY	.145/3.68	"B"	TIN	
50295-5YYYFC	YYY	.145/3.68	"C"	TIN/LEAD	
50295-5YYYFCLF	YYY	.145/3.68	"C"	TIN	
50295-5YYYFD	YYY	.145/3.68	"D"	TIN/LEAD	
50295-5YYYFDLF	YYY	.145/3.68	"D"	TIN	
50295-5YYYH	YYY	.180/4.57	NONE	TIN/LEAD	
50295-5YYYHLF	YYY	.180/4.57	NONE	TIN	
50295-5YYYHB	YYY	.180/4.57	"B"	TIN/LEAD	
50295-5YYYHBLF	YYY	.180/4.57	"B"	TIN	
50295-5YYYHC	YYY	.180/4.57	"C"	TIN/LEAD	
50295-5YYYHCLF	YYY	.180/4.57	"C"	TIN	
50295-5YYYHD	YYY	.180/4.57	"D"	TIN/LEAD	
50295-5YYYHDLF	YYY	.180/4.57	"D"	TIN	30μ"/0.76μ GXT

mat'l. code NOTE 3				surface ISO 1502	tolerance ISO 406 ISO 1101	projection ISO 1502	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
S				angles	linear		
				0°±2'	XXX±.01/XX±0.3	scale 1:1	dwg no
					XXX±.005/XX±0.13		sheet 5 of 5 size
					XXX±.0020/XXX±0.051		A3
				dr	G.PETERS	6/4/96	FCI
				engr	S.CLARK	6/3/96	
				chr	S.CLARK	6/4/96	
				appd	S.CLARK	6/4/96	
sheet	revision						type
index	sheet						Product Customer Drawing

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

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[50295-1140H](#) [50295-5080ELF](#) [50295-5120ELF](#) [50295-5128HLF](#) [50295-5240ELF](#) [50295-5240HLF](#) [50295-5300ELF](#)
[50295-1260E](#) [50295-5220ELF](#) [50295-5260HLF](#) [50295-1040E](#) [50295-1064E](#) [50295-1084E](#) [50295-1096EB](#) [50295-](#)
[1100EB](#) [50295-1108E](#) [50295-1108H](#) [50295-1112EC](#) [50295-1128H](#) [50295-1200EC](#) [50295-1200H](#) [50295-1216E](#)
[50295-1240H](#) [50295-1260HB](#) [50295-5068H](#) [50295-5080E](#) [50295-5096EB](#) [50295-5096EC](#) [50295-5120E](#) [50295-](#)
[5160F](#) [50295-5184E](#) [50295-5256E](#) [50295-5300E](#) [50295-5140ELF](#) [50295-1220ELF](#) [50295-1100ELF](#)